

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): SHAARAWI et al.

Confirmation No.:

Application No.:

Examiner:

Filing Date: Dec 12, 2003

Group Art Unit:

Title: METHOD FOR MAKING FLUID EMITTER ORIFICE

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
  - ☐ Statement under 37 CFR 1.97(e), or
  - ☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:
  - ☐ Statement under 37 CFR 1.97(e)(1) or (2), and
  - ☐ a \$180.00 fee set forth in 37 CFR 1.17(p).  
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☒ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. **EV 330329368 US**

Date of Deposit **Dec 12, 2003**

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Alexandria, VA 22313-1450.

By

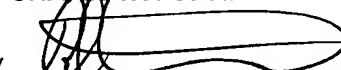
Colette M. Angle

Typed Name: Colette M. Angle

Respectfully submitted,

**SHAARAWI et al.**

By



**Peter Reitan**

Attorney/Agent for Applicant(s)

Reg. No. **48,603**

Date: **Dec 12, 2003**

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

200309536-1

APPLICATION NO.

CONFIRMATION NO.

APPLICANT

SHAARAWI et al.

FILING DATE

D c 12, 2003

GROUP

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	6,520,628 B2	Feb 18, 2003	McClelland et al.	
	1B	6,162,589	Dec 19, 2000	Chen et al.	
	1C	6,527,370 B1	Mar 4, 2003	Courian et al.	
	1D	6,290,331 B1	Sep 18, 2001	Agarwal et al.	
	1E	5,560,837	Oct 1, 1996	Trueba	
	1F	6,310,641	Oct 30, 2001	Mrvos et al.	
	1G	20030137561	Jul 24, 2003	Conta et al.	
	1H	6,303,042 B1	Oct 16, 2001	Hawkins et al.	
	1I	4,157,935	Jun 12, 1979	Solyst	
	1J	4,169,008	Sep 25, 1979	Kurth	
	1K	5,686,224	Nov 11, 1997	O'Neill	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L	JP3286870	1991-12-17	Seiko Epson Corp.		
	1M	JP6134994A	1994-05-17	Fujitsu Ltd.		
	1N					
	1O					
	1P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	
	1R	
	1S	

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EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	2A	5,375,326	Dec 27, 1994	Usui et al.	
	2B	5,451,993	Sep 19, 1995	Takahashi et al.	
	2C	4,007,464	Feb 8, 1977	Bassous et al.	
	2D	4,066,491	Jan 3, 1978	Ruh et al.	
	2E	4,863,560	Sep 5, 1989	Hawkins	
	2F	5,706,039	Jan 6, 1998	Chamberlain et al.	
	2G				
	2H				
	2I				
	2J				
	2K				

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		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	2L					
	2M					
	2N					
	2O					
	2P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	2Q	
	2R	
	2S	

EXAMINER

DATE CONSIDERED